

Conceptual Transmission Alternatives for Importing Tehachapi Generation

Southern California Edison (SCE)

Bonneville Power Administrative (BPA) DELIVER ENERGY. Oregon Malin Captain Jack₽ Nevada - Oregon Border **Existing Path Ratings** (NOB) California North-to-South-to-South (MW) North (MW) Path 66 DC INTERTIE Path 66 4,800 3,675 AC Sierra Path 15 INTERTIE 3,265 5,400 Pacific (SPP) COTP Path 26 3,700* 3,000 * As of May 2, 2005 Lake Fulton Tahoe Gold Hill Alt. 2: SCE/PG&E Phase-shifted Tie at Fresno-Big Creek Va<mark>ca Dixon</mark> \sim \$50 Million (PG&E) + \sim \$50 million (SCE) Tracy Ignac<mark>io</mark> Pittsburg Bellota **Tesla** El Cerrito "G" 300MW Alt 4: Tesla-Los Banos-Midway-Tehachapi 500kV line (290 miles) San Mateo ~ 964 Million (if RAS is not approved by WECC) Helms Gregg Metcalf Alt. 5: Tesla-Gregg-Tehachapi 500kV line (310 miles) Los Banos SF Bay Moss Landing ~ \$1,007 Million Area 300MW Path 15 Alt. 3: SCE/PG&E Phase-shifted Tie at Magunden - Removed from further consideration Also includes 4-230 kV lines Gates Tehachapi terminated at Gates Area Diablo 4,000MW Two superfluous lines Midway **Tehachapi Phase 1 Projects + Further** Antelope between Midway and Expansion depending on study Antelope – to be deleted ~ \$1.3 Billion 18

Path 26

Pardee o



and Antelope

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18

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Path 26

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